

In the Claims

1-29 (canceled)

30 (currently amended). An isolated and purified polypeptide comprising the a contiguous span of at least six amino acids of SEQ ID NO: NO: 29.

31 (new). The isolated and purified polypeptide according to claim 30, comprising a contiguous span of at least 40 amino acids of SEQ ID NO: 29.

32 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 293 of SEQ ID NO: 29 and wherein position 293 is aspartic acid.

33 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 293 of SEQ ID NO: 29 and wherein said 293 is glycine.

34 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 963 of SEQ ID NO: 29 and wherein position 963 is glycine.

35 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 963 of SEQ ID NO: 29 and wherein said position 963 is glutamic acid.

36 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 969 of SEQ ID NO: 29 and wherein position 969 is leucine.

37 (new). The isolated and purified polypeptide of claim 31, wherein said amino acids include position 969 of SEQ ID NO: 29 and wherein position 969 is methionine.

38 (new). An isolated and purified polypeptide comprising a fragment of the RBP-7 amino acid sequence of SEQ ID NO: 29, wherein said fragment is encoded by a polynucleotide sequence comprising SEQ ID NO: 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, or 28.

39 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 5.

40 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 6.

41 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 7

42 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 8.

43 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 9.

44 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 10.

45 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 11.

46 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 12.

47 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 13.

48 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 14.

49 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 15.

50 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 16.

51 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 17.

52 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 18.

53 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 19.

54 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 20.

55 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 21.

56 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 22.

57 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 23.

58 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 24.

59 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 25.

60 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 26.

61 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 27.

62 (new). The isolated and purified polypeptide according to claim 38, comprising the RBP-7 amino acid sequence encoded by SEQ ID NO: 28.

63. (new). The isolated and purified polypeptide according to claim 30, wherein said polypeptide comprises SEQ ID NO: 29.

64. (new). The isolated and purified polypeptide according to claim 63, wherein said polypeptide is encoded by a polynucleotide comprising nucleotides 442 to 4377 of SEQ ID NO: 4.